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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Dharap

Serial No.: 09/374,694

Filed: 08/16/99

Title: SEMANTIC-BASED CACHING POLICY TO MINIMIZE LATENCY

Atty. Docket No.: PHA 23-73 /

Group Art Unit: 2185

Examiner: K. Verbrugge

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231Preliminary Amendment/RemarksReg. for
Reconsideration

Sir:

Enclosed are preliminary remarks for the above-identified application for the Examiner's consideration.

REMARKS

This application is a continued prosecution application (CPA) of a prior application, 09/374,694. In the prior application, the Examiner had rejected claims 1-20 under 35 U.S.C. 102(a) as being anticipated by the admitted prior art of pages 1 and 2 of the Applicant's specification, and had rejected claims 1-5, 7, 8, 10, and 12-17 under 35 U.S.C. 102(e) as being anticipated by Rubin et al. (USP 6,061,763, hereinafter Rubin), and had rejected claims 6, 9, and 18-20 under 35 U.S.C. 103(a) as being unpatentable over Rubin.

The Applicant specifically teaches and claims a caching system and method that determines a caching strategy based on the "semantic type" of the information being cached. As is known in the art, a hierarchy of information abstraction exists. At a lowest level, information may be characterized and processed based on the bits or bytes that represent the information; at a higher level, the information may be characterized and processed based on the lexical content; at another level, the information may be characterized and processed based on data type, such as "text", "image", "audio", and so on; at another level, the information may be characterized and processed based on abstractions such as "topic", or "subject", typically based on a keyword characterization; at a further level, information may be characterized and processed based on semantics. It